

State of Illinois

JUL 28 1986

Dept. & Div.

ILL EPA-MPCP

Inspector

GAY L. MONTGOMERY
(Signature)

Date

5/24/86

Mine Name

FIDELITY #11

Mine Company

FREEMAN UNITED COAL COMPANY

IEPA

M & M

Permit No.

IL0000302

Permit No.

County

PERRY

General Location

APPROX. 5 MILES WEST OF DODDINGTON

Arrival Time

10 AM

Weather Conditions

WARM CLOUDY

RECLAMATION TYPE (Check Appropriate Type)

Mine Includes Prime Land Yes/ No

Steep Slope Rule Applies Yes/ No

Coal Preparation Yes/ No

Not Applicable

Reason for Visit:

ROUTINE

Persons Contacted:

BILL SMITH - PERMIT MGR

GLEN HAMILTON - RECLAM. SUP

PARAMETER CHECKLIST

1. Availability of: A permits B Plans

2. Imminent Danger to Public Health and Safety

3. Significant Imminent Environmental Harm



TEMPORARY REPORT



FINAL REPORT

4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation G. not investigated H. not applicable

5. Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: A. gob disposal 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved D. slope of site E. steep slope rules F. valley fill or head of hollow fills: 1. permit area 2. location near ridge top 3. fill design 4. fill construction 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement 9. engineer inspection G. not investigated H. not applicable

6. Soil Handling: A. removal before other disturbance B. storage C. protection D. thickness E. root medium F. other overburden G. toxic material handling H. root medium satisfactory for top soil replacement (slope, thickness, texture) I. topsoil replaced J. grading current K. rills and gullies L. erosion control systems M. timely revegetation and mulching N. not investigated O. not applicable

7. Prime Land: A. prime land determination B. soil horizon removal prior to other disturbance C. thickness removed D. approved horizon storage E. protection of stockpiles F. horizon replacement and thickness G. protection of replaced horizons H. grade I. not investigated J. not applicable

8. General Water Quality and Hydrology: A. waterways 1. unaffected area drainage diverted 2. affected area drainage ditches and berms 3. system maintenance B. grading C. vegetation D. toxic material E. horizontal boreholes F. sediment ponds: 1. size 2. structure 3. spillway 4. clean out 5. over 20' high or over 20 acre feet storage (yes/ no) 6. seepage 7. structural weakness 8. discharge structure 9. chemical treatment system 9. (a). permitted yes/ no G. discharge water quality H. buffer zone (100') observance I. zone markers J. NPDES permits required yes/ no K. water quality L. not investigated M. not applicable



Mine Name FIDELITY #11

9. Stream Channel or Other Water Diversion: (A) temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures N. not investigated O. not applicable
10. Road Hydrology: (A) culverts (B) ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure (K) not investigated L. not applicable
12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated (H) not applicable
13. Preparation Facility (includes crushing and screening): (A) water circuit 1. open system 2. closed system 3. no water circuit (B) slurry impoundment (1) berm stability a.) seepage b.) vegetative cover c.) freeboard 2. acid producing potential C. not investigated D. not applicable
14. Domestic Wastewater Treatment Facilities: A. type of system 1. activated sludge package plant 2. lagoon - sandfilters 3. septic tank w/sand filters 4. other B. sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator (E) not investigated F. not applicable

LEGEND: ○ = parameter inspected: ∅ = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

NO VIOLATIONS FOUND✓ SEE ATTACHMENT

Indicated Parameter

Comments or Action Taken

Check Column		
No.	Vio- lation	Non-Vio- lation
Gen Comm		✓
8A		✓
8F		✓
8J		✓
9A		✓
1381		✓

ATTACHMENT

Freeman United Coal Company
Fidelity #11
May 22, 1986

General Commenta: During this investigation, I spoke with Glen Hamilton, Reclamation Supervisor, in regard to the sedimentation pond with discharge #006. According to Mr. Hamilton, the receiving ditch from the pond will have the side slopes reworked to conform to specifications. I told Mr. Hamilton that the probability exists whereby suspended solids will be added to the effluent waters in the event of a rainstorm and that they should therefore be minimized to the extent possible even if it means adding temporary rip-rap dams in the ditch channel.

8A: The present GOB disposal area has had soil material stockpiled on the upper portion in apparent reddiness for reclamation whenever it occurs. Apparently GOB disposal will continue in the present area until the pit is full at which time gob disposal will occur in a recently abandoned incline.

8F: The ditch that receives discharge water from the southernmost sediment pond has been sloped towards the lower end and rip-rapped to prevent scouring of the side slopes.

According to Agency records and the submitted Discharge Monitoring Reports the quality of water that discharges from the site has been quite good overall. There have been some excursions to effluent standards over the years, however the problems have never lingered.

8J: This site is permitted under NPDES Permit IL0000302. Note all DMR's have been submitted in accordance with permit conditions.

9A: The temporary diversion ditches that convey surface runoff water and pit pumpage along the southeastern section of the site appear well constructed. I did not observe any part of the ditch that would allow water flowing in the ditch to overtop the berms and flow offsite without passing through a sedimentation pond.

13B1: I observed the outslopes of the slurry impoundment which appeared well vegetated and stable.

Gary L. Minton

Gary L. Minton
Environmental Protection Specialist

GLM:mk/A33/7-23-86

cc: MPCP/FOS/Marion
IDMM